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METHOD AND APPARATUS FOR INTERMEDIATE FREQUENCY
SELECTION IN A HETERODYNE RECEIVER

Abstract of the Disclosure

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SA In a heterodyne receiver having more than one selectable receive frequency and having at least one intermediate frequency circuit (102) capable of operation on at least two intermediate frequencies, a method for 10 selecting one of the at least two intermediate frequencies B is shown. The selection method ~~comprises~~ ^{Includes} selecting (402) one of the more than one selectable receive frequency, and B then selecting (408, 410, 504, 506, 510, 512) at least one of the at least two intermediate frequencies for each of 15 the at least one intermediate frequency circuit in response to the selected receive frequency. The selection of the intermediate frequency for each of the at least one intermediate frequency circuit is made such that the selected intermediate frequency does not cause the 20 generation of one or more undesirable spurious frequencies as a result of mixing the selected receive frequency and the selected intermediate frequency.

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